



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT1211**
Issued On **2017-07-24**
ORC Ref **lt00000275**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **380kg**
Default* **482kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **696.9 0.8610**
Non Spin OSN **678.0 0.8849**

Sails Limitations

Headsails **1** Spinnakers **3**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 55.65**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7.547**

Stability (Measured)

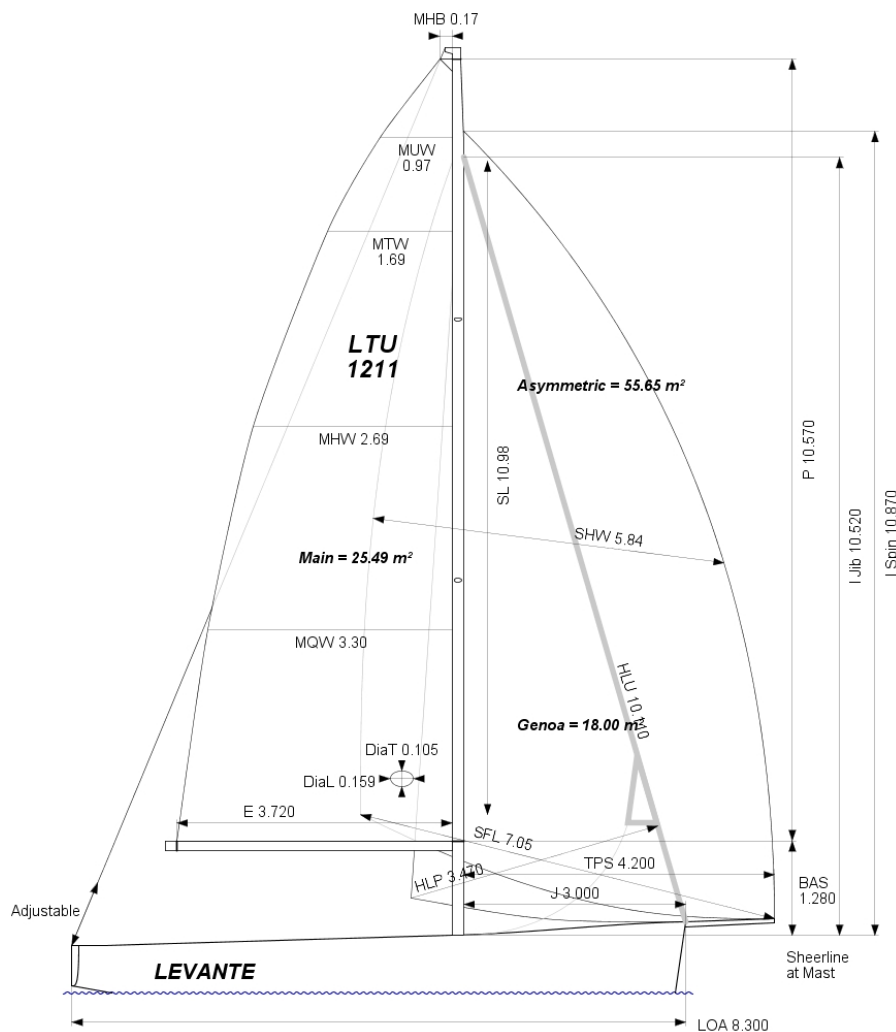
Limit Positive Stab.: **109.0°**
Stability Index: **103.7**

Owner

Mantas Kavaliauskas
Lotmiškio 11
Neringa
Lithuania

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT Name LEVANTE Sail Nr LTU 1211		GPH 662.0	HULL Data File Levante LOA 8.300m Offset File RS280.OFF MB 2.656m Displacement 1,846kg Draft 1.723m			
CLASS Class RS 280 Designer UAB Plastolitas Builder UAB Plastolitas Series 06-2002 Age Date 06-2007 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.186% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No				
COMMENTS FFM=0,947 FAM=0,651 Adjusted -12 mm to match weight 1874 kg		IMSL 7.980m VCGD -0.051m Sink 11.68kg/mm RL 7.114m VCGM -0.043m WS 15.37m² LSM0 7.787m Displacement/Length ratio 3.9095				
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No				
SCORING OPTIONS		CENTERBOARD N/A				
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	646.8			734.8		
Time On Time	0.9277			0.9187		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	751.4	588.8	524.9	976.0	733.5	652.4
Time on Time	0.8983	1.1464	1.2859	0.6916	0.9203	1.0346

BOAT	
Name LEVANTE	Sail Nr LTU 1211
File Levante LTU1211	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 04-07-2010		SG 1.0000	
FFM 0.935	FF 0.944	SFFP 0.499	
FAM 0.639	FA 0.642	SAFP 7.839	
W1 33.2	PD1 150.1	WD 7.800	
W2 33.2	PD2 152.4	GSA 50.2	
W3 33.2	PD3 150.1	RSA 18137.	
W4 33.2	PD4 152.1	PLM 1530.0	
LCF from stem on CL / on sheer		4.497 / 4.647	
Maximum beam station from stem		6.000	
RM Measured		45.7kg·m	
RM Default		48.1kg·m	
Limit of positive stability / Stab.Index		109.0° / 103.7	
Freeboard at mast at 3.000		0.774	




World Leader in Rating Technology

2017 Measurements Datasheet

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows Yes	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 10.570	E 3.720	MDT1 0.105	MW 0.159
IG 10.520	J 3.000	MDL1 0.159	GO 0.160
ISP 10.870	SFJ 0.000	MDT2 0.105	BD 0.130
BAS 1.280	SPL 0.000	MDL2 0.120	MWT 79.00
FSP 0.046	TPS 4.200	TL 1.120	MCG 4.480

Certificate

Number **LT1211**
 ORC Ref **It00000275**
 Issued On **2017-07-24**
 VPP Ver. **2017 1.00**
 Valid until **2017-12-31**



MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	
FFM=0,947 FAM=0,651 Adjusted -12 mm to match weight 1874 kg	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M0044	0.170	0.97	1.69	2.69	3.30	25.49			NS	Kevlar						
B/N	0.170	0.97	1.68	2.69	3.26	25.36			NS	Kevlar						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J0051	0.10					3.47	10.11	116%	18.00	Y				NS	Kevlar	
J0037	0.10					3.35	10.08	112%	17.34	Y				US	Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
G0049	12.01	9.95	10.98	5.84	7.05	55.65	asym			NS	Unknown					

MEASUREMENT INVENTORY				
Measurer V.Gricius				
Date 31-05-2010				
Comment				
Id	Item	Weight	Distance	VCG Description
+	Anchor	8.0	3.00	
+	Chain	3.5	3.00	
+	Toels	5.0	4.00	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description
1	Battery	8.0	3.30	



World Leader in Rating Technology

2017

ORC Club Certificate Appendix

BOAT	
Name LEVANTE	Certificate Number LT1211
Sail Nr LTU 1211	Issued On 2017-07-24

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1137.6	939.0	825.7	791.7	780.1	775.9	772.9
52°	736.8	614.8	563.7	549.3	543.3	539.9	532.8
60°	689.2	585.6	546.5	530.3	522.9	518.7	507.7
75°	649.7	565.7	531.5	503.3	486.5	478.0	471.3
90°	642.7	553.3	521.2	497.7	467.4	443.7	427.9
110°	644.5	552.0	510.3	469.0	447.0	426.6	397.9
120°	667.0	562.9	520.6	478.0	434.6	405.5	370.1
135°	745.7	604.7	545.8	508.5	468.6	428.3	346.5
150°	882.1	700.4	597.4	551.9	522.5	492.1	414.9
Run VMG	1018.6	808.7	689.9	635.1	582.0	543.7	479.1

Selected Courses							
Windward / Leeward	1078.1	873.9	757.8	713.4	681.0	659.8	626.0
Circular Random	905.0	733.6	642.7	590.4	557.6	534.8	501.3
Ocean for PCS	1111.7	861.9	721.8	635.8	578.3	535.8	471.6
Non Spinnaker	970.8	778.9	675.4	614.9	577.2	551.8	516.8

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.6°	42.8°	41.2°	39.9°	39.6°	39.6°	40.9°
Beat VMG	3.16	3.83	4.36	4.55	4.61	4.64	4.66
52°	4.89	5.86	6.39	6.55	6.63	6.67	6.76
60°	5.22	6.15	6.59	6.79	6.88	6.94	7.09
75°	5.54	6.36	6.77	7.15	7.40	7.53	7.64
90°	5.60	6.51	6.91	7.23	7.70	8.11	8.41
110°	5.59	6.52	7.06	7.68	8.05	8.44	9.05
120°	5.40	6.40	6.92	7.53	8.28	8.88	9.73
135°	4.83	5.95	6.60	7.08	7.68	8.40	10.39
150°	4.08	5.14	6.03	6.52	6.89	7.32	8.68
Run VMG	3.53	4.45	5.22	5.67	6.19	6.62	7.51
Gybe Angles	144.4°	147.7°	149.2°	151.5°	176.1°	177.9°	141.4°